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UNITED STATES PLANT PATENT APPLICATION

of

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for

CLEMATIS PLANT NAMED

'EVIpo001'



CLEMATIS PLANT NAMED

'EVIpo001'

ABSTRACT OF THE DISCLOSURE

A new Clematis cultivar which is well suited to propagation in glasshouses. With a tall growth habit, profuse, violet blue flowers, and continuous summer flowering. The variety successfully propagates from softwood cuttings and is suitable for cultivation in commercial glasshouses. This new and distinct variety has shown to be uniform and stable in the resulting generations from propagation.

ASEXUAL



## SUMMARY OF THE INVENTION

### BOTANICAL CLASSIFICATION

*Clematis l.*

5

Genus - *Clematis*

~~Subgenus - *flammula*~~

SPECIES

~~Section - *viticella*~~

### VARIETY DENOMINATION

10

'EVIpo001'

### COMMERCIAL CLASSIFICATION

Summer Flowering Cultivar

15      The present invention constitutes a new and distinct variety of Clematis which originated from a chance pollination between the female seed parent an unnamed, non-patented plant and an unknown male pollen parent plant.

20

The new clematis may be distinguished from its female seed parent by the following combination of characteristics:

1. The seed parent has purple flowers.

25      'EVIpo001' has violet blue flowers.

2  
1

2. The seed parent has a white flower center.

'EVIpo001' has a yellow center.

The seed resulting from the chance pollination was  
5 planted in a controlled environment. The new  
variety is named 'EVIpo001'.

The objective of the selection of this Clematis  
variety for commercial glasshouse and nursery  
10 culture was to create a new and distinct variety  
with:

1. Profusion of light violet flowers;
2. Summer flowering;
3. Yellow flower center;
- 15 4. Vigorous growth habit.

These qualities required improvement in Clematis  
varieties that were in commercial cultivation and  
the objectives have been substantially achieved in  
20 the new variety, as evidenced by the unique  
combination of characteristics that are present in  
'EVIpo001' which distinguish it from all other  
varieties of which we are aware.

25 The seeds from the aforementioned chance

pollination were germinated and evaluations of the resulting seedling plants were conducted in a controlled environment. As a result, 'EVIpo001' was selected by Raymond J. Evison and Mogens N.

5 Olesen in their Clematis development program in Domarie Vineries Les Sauvagees, St. Sampsons, Guernsey, Channel Islands, United Kingdom in April of 1997.

10 Asexual reproduction of 'EVIpo001' by cuttings was first done by Raymond J. Evison and Mogens N. Olesen in Domarie Vineries Les Sauvagees, St. Sampsons, Guernsey, Channel Islands, United Kingdom in June of 1997. This initial and subsequent  
15 propagations have demonstrated that the characteristics of 'EVIpo001' are true to type and are transmitted from one generation to the next.

#### BRIEF DESCRIPTION OF THE DRAWING

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The accompanying color illustration show as true as is reasonably possible to obtain in color photographs of this type. Specifically illustrated in SHEET 1:

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Fig. 1 Bloom, upper side;

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Fig. 2 Bloom, lower side;  
Fig. 3 Partially opened flower, flower  
bud closed, and flower bud at  $\frac{1}{4}$  opening;  
Fig. 4 Mature leaves;  
5 Fig. 5 Stem and juvenile foliage,  
showing attachment of leaves.

Specifically illustrated in SHEET 2:

10 'EVIpo001' in its entirety growing on a  
support structure.

DETAILED DESCRIPTION OF THE VARIETY

15 The following is a detailed description of  
'EVIpo001', as observed in its growth throughout  
the flowering period in glasshouses at Domarie  
Vineries Les Sauvagees, St. Sampsons, Guernsey,  
Channel Islands, United Kingdom. Observed plants  
20 were cultivated for a period of 24 months in 2  
liter containers. Certain phenotypical  
characteristics of the variety may vary under  
different environmental, cultural, agronomic,  
seasonal, and climatic conditions. Color  
25 references are made using the Royal Horticultural

Society (London, England) Colour Chart, 1995.

For a comparison, the nearest existing Clematis variety is 'Rhapsody', a non-patented variety. Chart 1 details several physical characteristics of the applicant and the comparison variety.

Chart 1

	'EVIpo001'	'Rhapsody'
Flower diameter	90 mm to 120 mm.	100 mm to 150 mm.
Typical growth in one season	2.5 m to 3.0 m.	2.0 m to 2.5 m.
Peduncle aspect	Horizontal to slightly nodding.	Erect to horizontal.
Tepal count	Normally 4 to 6.	Normally 6 to 8.

FLOWER AND FLOWER BUD

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Blooming habit: Summer. Generally flowers in June, July, August, and September.

Flower bud:

5

Size: 30 to 40 mm in length. Bud diameter is 12 to 15 mm.

Bud form: Long ovoid.

Bud color: Green Group 138C at 1/4  
5 opening.

Peduncle:

Surface: Smooth.

Length: 90 to 120 mm average length.

10 Color: Yellow-Green Group 144B  
maturing to Red-Purple Group  
61A. ~~(DELTÉ PERIOD)~~

Strength: Between horizontal and slightly  
nodding.

15

Receptacle: None.

Borne: Borne on compound cymes.

Flower bloom:

Size: 90 to 120 mm in diameter.

20 Form: Opens flat with tepals  
recurving.

Depth: Little depth (5 to 10 mm) but  
anthers and stigma protrude  
giving the flower a total depth  
of 15 to 20 mm.

25

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TEPAL Color:

Upon opening, V UPPER AND LOWER SURFACES ARE  
Violet Group 88D.

After opening, V UPPER AND LOWER SURFACES ARE.  
Violet Group 88D.

Variations: The longitudinal region of the

TEPAL

— sepal reverse may show a slight  
UNDERSURFACE

white central bar, White Group

155A, along its length. As the

flower ages general tonality

fades slightly to Violet Group

88C.

Fragrance: None to very light.

Lasting quality on plant: 7 to 12 days.

Lasting quality as a cut flower: 2 to 5 days.

15

Tepals:

INSERT SECTION

Quantity: Single. Average range is 4 to  
6 tepals.

Shape: Individual tepal shape is

20

elliptical to ovate. TEPAL BASE  
SHAPE IS ACUTE.

Cross section:

Normally straight.

Undulation of margin:

Entire.

25

Tepal apex: Acute.

17

Recurvature of tip:

Tip recurses.

Persistence: Drop off cleanly.

Arrangement: Tepals are arranged regularly.

5      Reproductive Organs:

Pollen:

Quantity: Below average.

Color: Yellow Group 11B.

Anthers:

10      Size: Small, 3 to 5 mm.

Color: Yellow-Green Group 145C.

Arrangement: Regular.

Filaments:

Color: White Group 155A.

15      Pistil count: 20 to 30.

Stigmas: Protrude from anthers as flower  
ages.

Styles: Yellow-Green Group 145C.

20

PLANT

Plant form: Climbing and spreading depending on  
host.

Plant growth: Vigorous.

25      Height:  
SPREAD:      Seasons growth attains 2.5 to 3.0  
                  TYPICALLY 1.0 to 2 METERS.

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meters.

Hardiness: Trials to date show the variety hardy in USDA Zones 4-9.

Stems:

5 Color: Young wood: Red-Purple Group 61A.  
Older wood: Light Brown (actual RHS designation  
Greyed-Orange 165C).

Internodes:

10 Shape: Cylindrical.  
Length: 100 to 150 mm.

Petioles:

Size: 60 to 80 mm.

Color: Green Group 143A

15 maturing to Red-Purple  
Group 61A.

Bark:

Young wood: Smooth.

Older wood: Smooth.

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Plant foliage: Deciduous. Trifoliate with three broad elliptical to ovate leaflets. Can occasionally be simple.

25 TERMINAL LEAFLET  
leaf size: 60 to 80 mm (l) x 40 to 50 mm

10 9

(w) .

Abundance: Above average.

Color: Top: Green Group 137B.

Bottom: Green Group 137B.

5 Plant leaves and leaflets:

Stipules: Absent.

Petioles:

Size: 60 to 80 mm. IN LENGTH.

10 Color: Green Group 143A maturing to  
Red-Purple Group 61A.

Petioloule:

Length: 10 to 40 mm.

Color: Green Group 143A maturing to

15 Red-Purple Group 61A.

Leaf Edge: Terminal leaflet margin is  
entire.

Leaflet Shape:

Base: Rounded.

20 Apex: Acute.

Texture: Smooth.

Surface:

Upper side: Rough with a matte finish.

Lower side: Rough with a matte finish.

25 Thickness: Thick.

41 10

Glossiness: Matte Finish.

**Disease resistance:**

Subject to any disease that normally attacks the  
5 species, however the variety is more tolerant to  
Botrytis and Wilt than some Clematis.

CLAIM

We claim a new and distinct variety of clematis plant,  
5 substantially as herein shown and ~~described~~, ~~as a distinct~~  
~~and novel clematis variety~~ due to its abundant violet blue  
flowers with good keepability, attractive long lasting  
foliage and compact growth, year round flowering under  
glasshouse conditions, suitability for production from  
10 softwood cuttings in pots, durable flowers and foliage  
which make the variety suitable for distribution in the  
floral industry.